



Special Issue on Smart Manufacturing Industrial Informatics

Call for Papers

Smart Manufacturing Industrial Informatics is an academic field that focuses on the integration of advanced technology, data analytics, and automation in manufacturing processes to optimize efficiency, productivity, and quality. It involves the application of information technology, data science, and industrial engineering principles to create intelligent and interconnected manufacturing systems. The field aims to leverage cutting-edge technologies such as Internet of Things (IoT), cloud computing, artificial intelligence (AI), machine learning, and cyber-physical systems to improve the entire manufacturing lifecycle. This includes aspects such as product design, process planning, production scheduling, inventory management, quality control, and maintenance. Overall, Smart Manufacturing Industrial Informatics combines industrial engineering principles, information technology, and data analytics to transform traditional manufacturing processes into intelligent, interconnected, and data-driven systems, driving innovation and competitiveness in the manufacturing industry.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **Smart Manufacturing Industrial Informatics**. Potential topics include, but are not limited to:

- IoT in manufacturing
- Machine learning in manufacturing
- Industrial data analytics
- Cyber-physical systems
- Cloud computing for smart manufacturing
- Digital twins in manufacturing
- Intelligent manufacturing systems
- AI and robotics in manufacturing
- Virtual reality simulation techniques
- Smart systems design and analysis
- Manufacturing data security and privacy
- Human-machine interaction in manufacturing
- Supply chain and logistics optimization
- Smart production management
- Sustainability and green manufacturing
- Industry 4.0



Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Smart Manufacturing Industrial Informatics**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	December 29th, 2023
Publication Date	February 2024

For publishing inquiries, please feel free to contact the Editorial Assistant at submission.entrance1@scirp.org

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